

P53821C (CPA / Small Entity) 17 August 1999

Applicant: RICHARD G. HYATT JR.

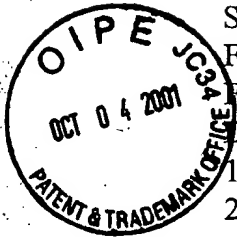
S.N.: 08/720,070

Filed: 27 September 1996

For: *ELECTROMECHANICAL CYLINDER PLUG.*

Document(s) filed:

1. SECOND SUPPLEMENTAL AMENDMENT
2. Check #33509 for \$153.00 & Fee Transmittal



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# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.  
These are the fees effective October 1, 1997.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§1.27 and 1.28.

## Complete If Known

Application Number	08/720,070 (filed on 27 September 1996)
Filing Date	CPA filed on 8 July 1999
First Named Inventor	RICHARD G. HYATT JR.
Examiner Name	BOUCHER, D.
Group/Art Unit	3627
Attorney Docket No.	P53821C

TOTAL AMOUNT OF PAYMENT (\$)153.00

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number: 02-4943  
Deposit Account Number: \_\_\_\_\_

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. ☐ Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance.

## 2. ☒ Payment Enclosed:

(CHECKS #33509)

☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	\$
106	310	206	155	Design filing fee	\$
107	480	207	240	Plant filing fee	\$
108	760	208	380	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)					(\$) <u>.00</u>

### 2. EXTRA CLAIM FEES

		Extra Claims		Fee from below		Fee Paid
Total claims	-20** =	4	x	9.00	=	36.00
Independent Claims	-3** =	3	x	39.00	=	117

Multiple Dependent

\*\* or number previously paid, if greater; For Reissues, see below

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
103	18	203	9	Claims in excess of 20	
102	78	202	39	Independent claims in excess of 3	
104	260	204	130	Multiple dependent claim, if not paid	
109	78	209	39	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)153.00

## 3. ADDITIONAL FEES

Large Entity	Small Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge-late filing fee or oath	\$
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	\$
147	2,520	147	2,520	For filing a request for reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1,840 *	113	1,840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	380	216	190	Extension for reply within second month	\$
117	870	217	435	Extension for reply within third month	\$
118	1,360	218	680	Extension for reply within fourth month	\$
128	1,850	228	925	Extension for reply within fifth month	\$
119	300	219	150	Notice of Appeal	\$
120	300	220	150	Filing a brief in support of an appeal	\$
121	260	221	130	Request for oral hearing	\$
138	1,510	138	1,510	Petition to institute a public use proceeding	\$
140	110	240	55	Petition to revive - unavoidable	\$
141	1,210	241	605	Petition to revive - unintentional	\$
142	1,210	242	605	Utility issue fee (or reissue)	\$
143	430	243	215	Design issue fee	\$
144	580	244	290	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	240	126	240	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (Times number of properties)	\$
146	760	246	380	Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	760	249	380	For each additional invention to be examined (37 C.F.R. §1.129(b))	\$

Other Fee (specify) \_\_\_\_\_

Other Fee (specify) \_\_\_\_\_

\*\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) \$.00

## SUBMITTED BY

## Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.	Reg. Number	27,774
Signature	<i>Robert E. Bushnell</i>	Date	17 August 1999
		Deposit Account User ID	

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8/17/1999

\*\*153.00  
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DOLLARS

P53821C

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ROBERT E. BUSHNELL

LAW OFFICES

1522 K ST. NW, SUITE 300

WASHINGTON, DC 20005-1202

(202) 638-5740

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One Hundred Fifty-Three and 00/100

Assistant Commissioner  
of Patent

Washington, D.C. 20231

Box: PTO prosecution

MEMO

08/720,070 (Small entity) claims, Unit 362

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

**RICHARD G. HYATT JR.**

Serial No.: 08/720,070 (CPA application) Examiner: BOUCHER, D.

Filed: 27 September 1996 Art Unit: 3627

For: ELECTROMECHANICAL CYLINDER PLUG

**SECOND SUPPLEMENTAL AMENDMENT**

Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

Entry of the following amendments prior to re-examination and reconsideration, is  
respectfully requested.

Folio: P53821C  
Date: 08/17/99  
I.D.: REB/kf

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IN THE CLAIMS

Please add Claims 60 through 63, as follows:

1       --60. An electromechanical lock cylinder, comprising:

2       an outer shell having a bore formed therein and a cavity extending from the bore into the  
3       shell;

4       a barrel disposed within the bore in the shell and being rotatable relative thereto;

5       a side bar cooperating between the shell and the barrel for selectively permitting and blocking  
6       rotation of the barrel with respect to the shell, the side bar having a first portion engaging the barrel  
7       and a second portion removably received in the cavity in the shell, the side bar being movable  
8       relative to the barrel;

9       wherein at least one electromechanical locking member is disposed within the barrel and is  
10      positionable in a barrel blocking position which blocks rotation of the barrel with respect to the shell,  
11      and also is positionable in a non-barrel blocking position which permits the side bar to be moved  
12      relative to the cavity in the shell to rotate the barrel with respect to the shell;

13      an electronically powered drive mechanism located within the barrel and cooperating with  
14      the electromechanical locking member to selectively move the locking member from the barrel  
15      blocking position to the non-barrel blocking position in which the side bar moves out of the cavity  
16      and engages the locking member to rotate the barrel and operate the lock; and

17      control means for activating the electronically powered drive mechanism in response to an  
18      authorized attempt to operate the lock cylinder.

1           --61. A lock cylinder according to claim 60, wherein the first portion of the side bar is an  
2 outer edge and the second portion is an opposite inner edge, and when the at least one locking  
3 member is in said barrel blocking position the outer edge of the side bar is received in the cavity  
4 formed in the shell, and wherein the at least one locking member has a groove which receives the  
5 inner edge of the side bar when the at least one locking member is in said non-barrel blocking  
6 position.

1           --62. A rotatable lock barrel for insertion into a lock cylinder having a bore formed therein,  
2 the barrel comprising:

3           an elongated, generally cylindrically shaped barrel member having an exterior configured for  
4 receipt in a bore of a lock cylinder and an interior containing an electromechanical locking member,  
5 the barrel member having a recess formed therein;

6           wherein the locking member is disposed in the recess of the barrel member and is  
7 substantially entirely contained within the barrel member, the locking member including a groove  
8 and the locking member being movable to a position in which the groove of the locking members  
9 is aligned;

10          the recess in said barrel member being configured to receive at least a portion of a movable  
11 side bar of a lock cylinder to permit the side bar to move into and out of engagement with the groove  
12 of the locking member for selectively permitting and blocking rotation of the barrel member with  
13 respect to a lock cylinder when positioned therein;

14 an electronically powered drive mechanism located within the barrel member for moving the  
15 electromechanical locking member to a position in which the groove of the locking member is  
16 aligned.

1 --63. A process of retrofitting a mechanical cylinder lock to form an electromechanical  
2 cylinder lock, the process comprising steps of:

3 providing a mechanical cylinder lock including an outer shell with a bore, a first rotatable  
4 barrel located in the bore, and a side bar for preventing and permitting rotation of the barrel within  
5 the bore in the shell;

6 removing the first barrel from the shell;

7 providing an electronically powered rotatable barrel having an exterior adapted to  
8 substantially correspond to the bore in the shell, and including:

9 at least one electromechanical locking member disposed in the barrel, the electromechanical  
10 locking member being positionable to permit the side bar to engage the locking member in a non-  
11 barrel blocking position which permits the barrel to rotate with respect to the shell, and the  
12 electromechanical locking member also being positionable in a barrel blocking position which  
13 blocks rotation of the barrel with respect to the shell; and

14 an electronically powered drive mechanism cooperating with the electromechanical locking  
15 member to selectively move the locking member from the barrel blocking position to the non-barrel  
16 blocking position in which the side bar engages the locking member to rotate the barrel and operate  
17 the lock; and

18       securing the electronically powered rotatable barrel in the bore in the shell to form an  
19       electromechanical cylinder lock, the lock including control means carried by at least one of the  
20       barrel and bore for energizing the electronically powered drive mechanism in response to an  
21       authorized attempt to open the lock.



REMARKS

Claims 1 through 63 are pending in this application. Claims 60 through 63, copied, substantially verbatim from U.S. Patent No. 5, 839, 307 issued on 24 November 1998 to Peter Field and Michael Lunpkin, are newly presented. Claim 40 defers from Claim 1 of the Field '307 patent by the addition of a comma in the preamble; Claim 61 is copied from dependent Claim 2 of Field '307; Claim 62 is copied from Claim 14 of Field '307, and the number of the locking members is changed to singular; and Claim 63 is copied verbatim from Claim 19 of Field '307.

Applicant's Figs. 1-18, for example, disclose, *inter alia*, shell 102, cavity 102d, barrel 70, side bar 101g, cavity 102a (to the extent that this cavity is different from the cavity 102d referred to in line 2 of Claim 1 of Field '307), locking member 105, drive mechanism 105b and control means 104. Accordingly, all elements defined in newly added Claims 60 through 63, and all of the process steps defined in Claim 63 are found in Applicant's specification. Retrofitting is expressly disclosed on page 4, lines 16-18, for example, as well as in lines 8-11 on page 21 and lines 4-19 of page 18 of Applicant's original specification.

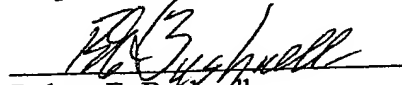
Should the Examiner desire to entertain a requirement for restriction, or alternatively, an election of species, the Examiner is requested to immediately telephone Applicant's undersigned attorney.

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A fee of \$153.00 (SMALL ENTITY) is incurred by addition of three (3) independent claims in excess of 8 and four (4) claims in excess of 59. Applicant's checks (Check #33509) drawn to the order of Commissioner accompanies this Amendment. Should the check become lost, should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

In view of the foregoing, the Examiner is respectfully requested to reconsider the application, withdraw the objections and/or rejections and pass the application to issue in view of the above amendments and/or remarks. Should any questions remain unresolved, the Examiner is requested to telephone Applicant's attorney.

Respectfully submitted,

  
Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

1522 "K" Street N.W., Suite 300  
Washington, D.C. 20005  
(202) 638-5740

Folio: P53821C  
Date: 8/17/99  
I.D.: REB/kf